



OM Update

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Topics

- **OM Tech Exchange**
- **OMDT update**
- **FEDEP update**

OM Tech Exchange

- **Date:** 13 February
- **Purpose:** to examine user needs for support of implementation-level information in the OMT and/or FEPW
- **Strategy:** Poll programs which have implemented an HLA federation as to what types of federation data are not currently supported by OMT or FEPW, and discuss how should we support this information in the future.

OM Tech Exchange

- **Tech Exchange participants**
 - **NAWC-TSD**
 - **NAWC-AD**
 - **Aegis Research**
 - **PEO(TAD)**
 - **RBD**

OM Tech Exchange

Summary:

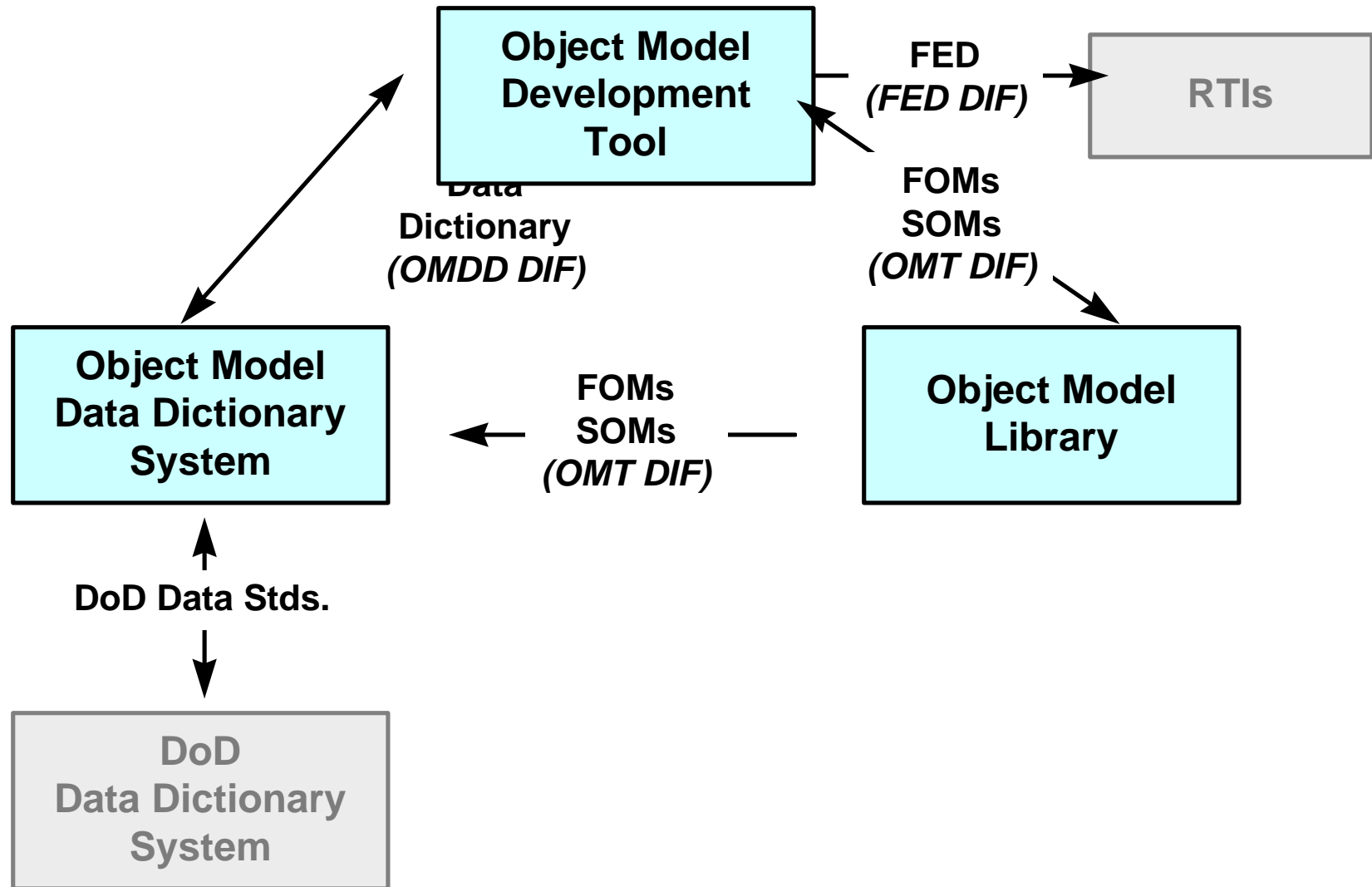
- **Many suggestions for OM Tool enhancements**
- **Four OMT/FEPW issues raised:**
 - **Big endian/little endian**
 - **Padding fields**
 - **Alternative STRING definitions**
 - **Complex datatype field ordering**

OM Tech Exchange

Consensus:

- **Federation byte ordering policy and padding/field ordering of complex datatypes addressed in FEPW Data Representation Table**
- **Need for an alternative STRING definition in the OMT will be raised during first IEEE review cycle**
- **Tool suggestions deferred until next OM Tools User Group Meeting**

HLA Object Model Integrated Tools Suite



OMDT

- **Inputs from OMDT testing team received during the week of 23 February**
 - **Calspan**
 - **Metron/NSS**
 - **NAWCAD**
 - **SAIC**
 - **ALSP/ADAPTOR**
- **OMDT Version 1.3 released via HLA Software Distribution Center on 20 March**

OMDT Development

- **Several minor enhancements recently incorporated**
 - Auto cell resizing (to fit text)
 - Turn on/off manual cell resizing
 - Alphabetized lexicon
- **Several other enhancements in progress**
 - Undo/Redo
 - Rational Rose Interface
 - Sun/SGI Ports

Near-Term Plans

- **OMDT release (1.3.1) scheduled for June 15**
 - Windows 95/NT, Sun, SGI
 - Includes Rational Rose Interface
 - Includes fixes to TRs since March release
 - Need volunteers for testing!!!
- **OM Tool User Group Meetings**
 - Late May

HLA FEDEP

- **FEDEP V1.1 released in December 1997**
- **Federation Development Process (PROC) Forum convened at Spring SIW**
- **FEDEP Tech Exchange held on 31 March**
 - **Review SIW inputs**
 - **Solicit inputs from AMG members**
 - **Reach consensus on needed changes**

HLA FEDEP

- **FEDEP V1.2 to focus on:**
 - Roles and products
 - Federation reuse (persistent federations)
- **FEDEP V1.3 to focus on improving the FEDEP representational format**
 - Five-step process diagram provides global view
 - One level of decomposition provided for each of five steps
 - Remove notational ambiguities and inconsistencies

HLA FEDEP

- **FEDEP V1.3 to be supported by functional overlays and subprocess descriptions:**
- **Each will provide a more detailed view of federation development from a particular perspective**
- **Technical papers will be prepared and presented at next SIW to establish a baseline**
- **Each overlay/subprocess description will be converted into a document and maintained along with the FEDEP**
 - **Lags FEDEP checkpoints by one month**

HLA FEDEP

- **FEDEP Overlays:**
 - Security
 - VV&A
 - Decision Framework
 - Automation
- **FEDEP subprocess descriptions**
 - Object Modeling
 - Testing